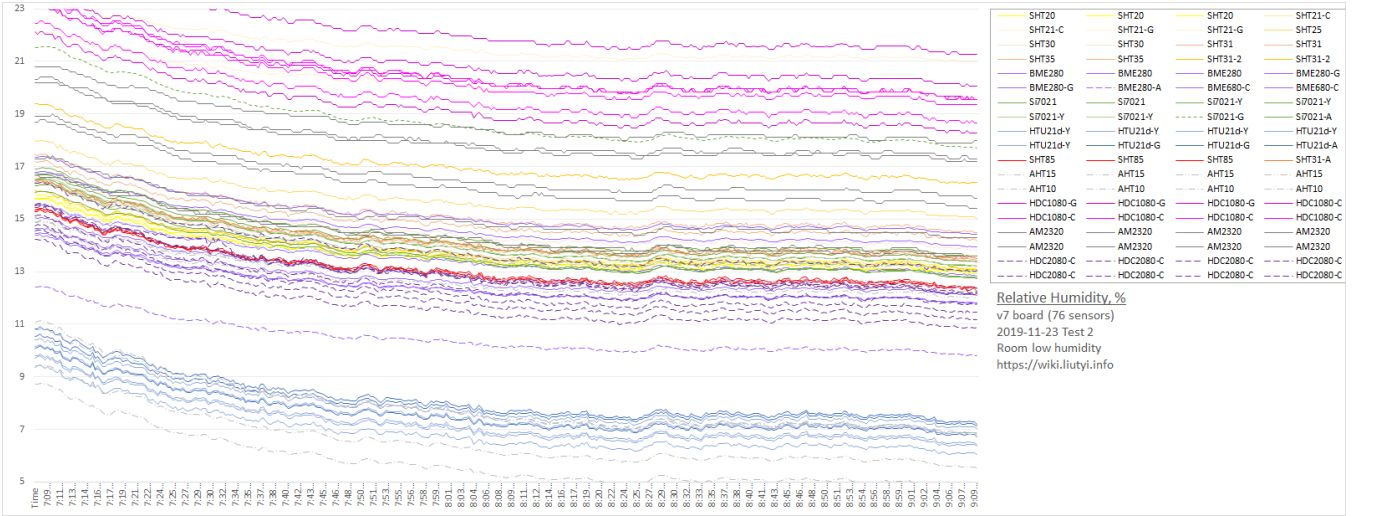


Test 2 v7 room RH12 low humidity

v7 board low humidity (RH ~ 12%) room test with fan first 4 hours and last 4 hours skipped for the trends

Humidity

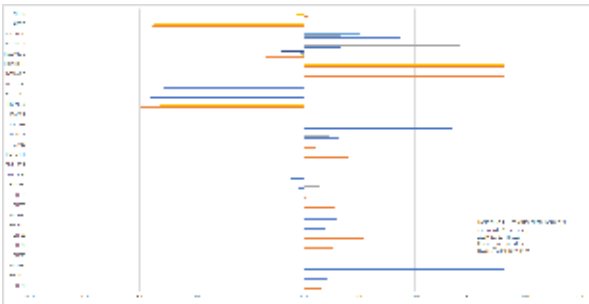
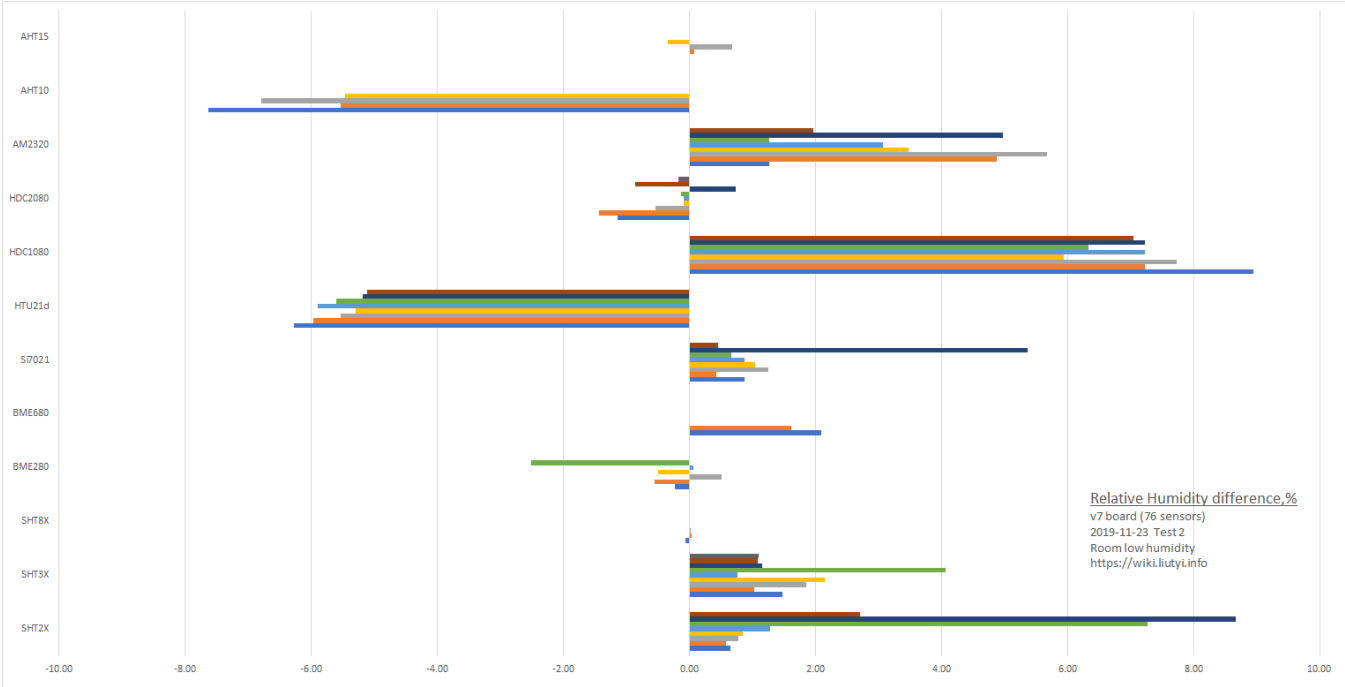
h_v7_test2.CSV



SHT2x	rh, %	SHT3x	rh, %	BMEx80	rh, %	SI7021	rh, %	HTU21	rh, %	SHT85	rh, %	AHT10	rh, %	HDC1080	rh, %	HDC2080	rh, %
SHT20	12.98	SHT30	13.8	BME280	12.1	SI7021	13.21	HTU21d-Y	6.05			AHT15	12.34	HDC1080-G	21.28	HDC2080-C	11.19
SHT20	12.91	SHT30	13.36	BME280	11.78	SI7021	12.75	HTU21d-Y	6.37			AHT15	12.41	HDC1080-G	19.56	HDC2080-C	10.89
SHT20	13.1	SHT31	14.18	BME280	12.84	SI7021-Y	13.58	HTU21d-Y	6.8	SHT85	12.27	AHT15	13.01	HDC1080-G	20.06	HDC2080-C	11.79
SHT21-C	13.17	SHT31	14.47	BME280-G	11.83	SI7021-Y	13.37	HTU21d-Y	7.03	SHT85	12.36	AHT15	11.99	HDC1080-C	18.27	HDC2080-C	12.24
SHT21-C	13.61	SHT35	13.41	BME280-G	12.39	SI7021-Y	13.2	HTU21d-Y	6.43	SHT85	12.35	AHT10	4.7	HDC1080-C	19.56	HDC2080-C	12.19
SHT21-G	19.6	SHT35	13.43	BME280-A	9.82	SI7021-Y	12.99	HTU21d-G	6.73	SHT31-A	13.49	AHT10	6.79	HDC1080-C	18.66	HDC2080-C	13.06
SHT21-G	20.99	SHT31-2	13.09	BME680-C	14.42	SI7021-G	17.7	HTU21d-G	7.14			AHT10	5.54	HDC1080-C	19.56	HDC2080-C	11.47
SHT25	15.04	SHT31-2	16.4	BME680-C	13.94	SI7021-A	12.78	HTU21d-A	7.21			AHT10	6.86	HDC1080-C	19.37	HDC2080-C	12.15
Average	15.18		14.02		12.39		13.70		6.72		12.33		9.21		19.54		11.87

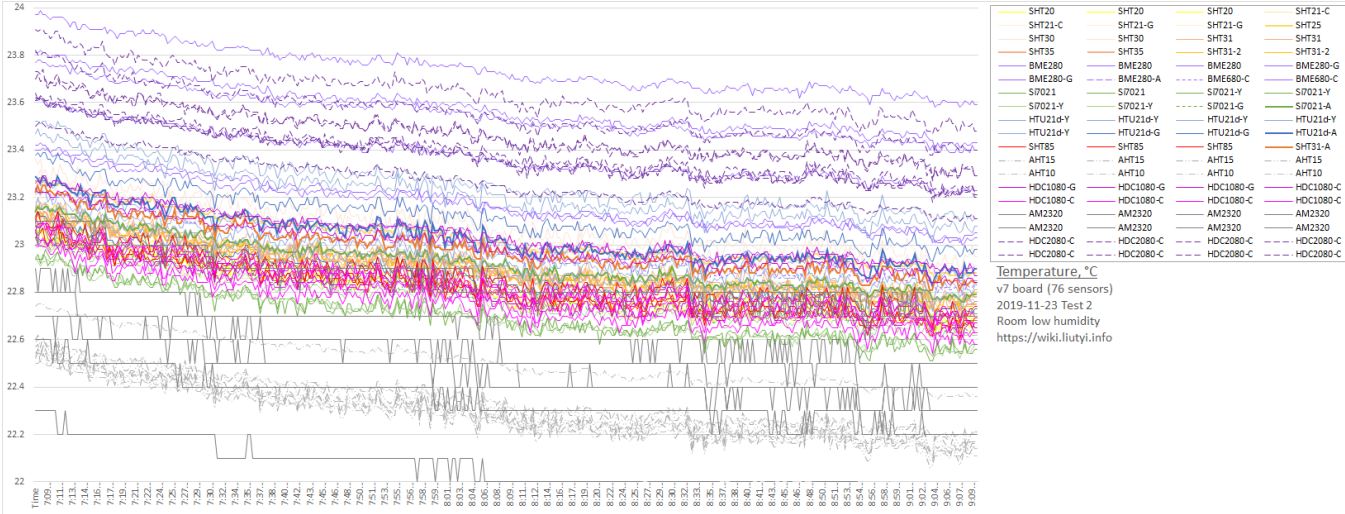
-A Adafruit modules, SHT85 - Senserion Modules, -C - CJMCU modules, -G,-Y - GY-xx, (other are some Chinese Noname modules)

Humidity difference to SHT85



Temperature

t_v7_test2.CSV



SHT2x	t° C	SHT3x	t° C	BMEx80	t° C	SI7021	t° C	HTU21	t° C	SHT85	t° C	AHT10	t° C	HDC1080	t° C	HDC2080	t° C	AM
SHT20	22.68	SHT30	22.95	BME280	23.4	SI7021	22.56	HTU21d-Y	23.11			AHT15	22.15	HDC1080-G	22.63	HDC2080-C	23.11	AM23

SHT20	22.67	SHT30	22.91	BME280	23.43	SI7021	22.58	HTU21d-Y	22.85			AHT15	22.21	HDC1080-G	22.84	HDC2080-C	23.2	AM23
SHT20	22.7	SHT31	22.81	BME280	23.59	SI7021-Y	22.71	HTU21d-Y	22.76	SHT85	22.74	AHT15	22.16	HDC1080-G	22.87	HDC2080-C	23.22	AM23
SHT21-C	22.64	SHT31	22.76	BME280-G	23.23	SI7021-Y	22.68	HTU21d-Y	23.08	SHT85	22.69	AHT15	22.17	HDC1080-C	22.65	HDC2080-C	23.29	AM23
SHT21-C	22.78	SHT35	22.78	BME280-G	23.05	SI7021-Y	22.58	HTU21d-Y	22.83	SHT85	22.67	AHT10	22.14	HDC1080-C	22.58	HDC2080-C	23.21	AM23
SHT21-G	22.78	SHT35	22.75	BME280-A	22.9	SI7021-Y	22.62	HTU21d-G	22.98	SHT31-A	22.84	AHT10	22.2	HDC1080-C	22.67	HDC2080-C	23.29	AM23
SHT21-G	22.69	SHT31-2	22.76	BME680-C	22.84	SI7021-G	22.66	HTU21d-G	22.73			AHT10	22.36	HDC1080-C	22.7	HDC2080-C	23.48	AM23
SHT25	22.88	SHT31-2	22.8	BME680-C	23.03	SI7021-A	22.79	HTU21d-A	22.9			AHT10	22.11	HDC1080-C	22.63	HDC2080-C	23.4	AM23
Average	22.73		22.82		23.18		22.65		22.91		22.70		22.19		22.70		23.28	

Temperature difference to SHT85

